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NOTICE OF ALLOWANCE AND FEE(S) DUE

58408

7590

04/09/2008

BARRY W. CHAPIN, ESQ. CHAPIN INTELLECTUAL PROPERTY LAW, LLC WESTBOROUGH OFFICE PARK 1700 WEST PARK DRIVE WESTBOROUGH, MA 01581

EXAMINER				
DADA, BEEMNET W				
ART UNIT	PAPER NUMBER			

2135

DATE MAILED: 04/09/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,386	09/18/2003	Radia J. Perlman	SUN06-38(P9238)	4209

TITLE OF INVENTION: EPHEMERAL DECRYPTION UTILIZING BLINDING FUNCTIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	07/09/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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WESTBOROUG	511, MA 01301							(Signature)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	ГOR	A	TTOR	NEY DOCKET NO.	CONFIRMATION NO.
10/665,386	09/18/2003		Radia J. Perlman			SUN	N06-38(P9238)	4209
ITLE OF INVENTION	: EPHEMERAL DECRY	YPTION UTILIZING BL	INDING FUNCTIONS					
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nonprovisional	NO	\$1440	\$300	_	\$0		\$1740	07/09/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS	Ш				
DADA, BE		2135	713-176000		-			
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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BARRY W. CHA	APIN, ESQ.		DADA, BE	EMNET W
	ECTUAL PROPERTY	LAW, LLC	ART UNIT	PAPER NUMBER
WESTBOROUGH 1700 WEST PARI WESTBOROUGH	K DRIVE		2135 DATE MAILED: 04/09/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 790 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 790 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	10/665,386	PERLMAN, RADIA J.
Notice of Allowability	Examiner	Art Unit
	BEEMNET W. DADA	2135
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in th) or other appropriate communic IGHTS. This application is sub	is application. If not included cation will be mailed in due course. THIS
1. 🔀 This communication is responsive to after final aamendme	<u>ent filed on 3/06/08</u> .	
2. ☑ The allowed claim(s) is/are <u>1-24 and 28-45</u> .		
3. ☐ Acknowledgment is made of a claim for foreign priority up a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	e been received.	
2. Certified copies of the priority documents have3. Copies of the certified copies of the priority do	• •	· · · · · · · · · · · · · · · · · · ·
International Bureau (PCT Rule 17.2(a)).	ocuments have been received in	i tilis national stage application from the
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminificant in the process of the process	MENT of this application. nitted. Note the attached EXAM	INER'S AMENDMENT or NOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted	
(a) ☐ including changes required by the Notice of Draftspers		PTO-948) attached
1) hereto or 2) to Paper No./Mail Date	•	,
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1		
each sheet. Replacement sheet(s) should be labeled as such in t		
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Notice of Infor	mal Patent Application
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview Sum	mary (PTO-413),
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Ma 7. ⊠ Examiner's An	il Date nendment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		atement of Reasons for Allowance
	9.	

DETAILED ACTION

In an after final amendment filed on March 06, 2008, claims 1, 19, 30 and 42-44 have been amended and claims 25-27 have been canceled. Claims 42-44 are further amended in an examiners amendment as indicated below. Claims 1-24, and 28-45 are pending.

EXAMINER'S AMENDMENT

An extension of time under 37 CFR 1.136(a) is required in order to make an examiner's amendment which places this application in condition for allowance. During a telephone conversation conducted on March 27, 2008 with Shaun P. Montana, Reg. No. 54,320, applicant requested an extension of time for 1 months MONTH(S) and authorized the Director to charge Deposit Account No. 503735 the required fee for this extension and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims:

In claim 42, line 3, after the term '...the system comprising:' please add the limitation: "a processor, a memory;"

In claim 43, line 3, after the term '...the system comprising:' please add the limitation: "a processor, a memory;"

44.(Currently Amended) A computer program product [including] <u>stored on</u> a computer readable <u>physical storage</u> medium, [said computer readable medium having a computer program stored thereon] for use in blinded ephemeral decryption, <u>the computer program product including program code</u>, said computer program code being executable on a processor in an ephemerizer comprising program code for:

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receiving from said first node a blinded and encrypted message, said message being encrypted with an encryption key having a corresponding ephemeral decryption key and said message being blinded with a blinding function to form said blinded and encrypted message, wherein said encryption key and said ephemeral decryption key are public and private keys of an ephemeral public key pair, and wherein said ephemeral public and private keys comprise an ephemeral RSA public/private key pair of the form (e,n) and (d,n) respectively, and wherein said blinding function is a blinding function z, and wherein z is a number R having an inverse R.sup.-1 that satisfies R*R.sup.-1=1 mod n;

receiving from said first node an ephemeral key ID associated with said ephemeral decryption key;

decrypting said blinded and encrypted message using said ephemeral decryption key to form a blinded message;

communicating said blinded message to said first node; and

wherein said message being blinded with a blinding function to form said blinded and encrypted message includes the step of forming the first blinded and encrypted message as the product (R.sup.e*M.sup.e mod n) where (M.sup.e mod n) is said message M encrypted using said ephemeral public encryption key.

irretrievably deleting said ephemeral decryption key in response to a specified event;

Allowable Subject Matter

Claims 1-24, and 28-45 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1, 19, 42, 43 and 44, the art on record does not disclose, teach or fairly suggest the system including the limitations "and wherein said ephemeral public and private keys comprise an ephemeral RSA public/private key pair of the form (e,n) and (d,n) respectively, and wherein said blinding function is a blinding function z, and wherein z is a number R having an inverse R.sup.-1 that satisfies R*R.sup.-1=1 mod n...and wherein said message being blinded with a blinding function to form said blinded and encrypted message includes the step of forming the first blinded and encrypted message as the product (R.sup.e*M.sup.e mod n)

where (M.sup.e mod n) is said message M encrypted using said ephemeral public encryption key." Claims 2-18, 20-24, 28-41 and 45 depend from claims 1 and 19 respectively and are allowed with the same rationale thereon.

With respect to claim 44, it is understood by the examiner that the term "computer readable physical storage medium" is directed to non-writable storage media and writable storage media as recited in the specification page 23, lines 13-17, and therefore, claim 44 is understood by the examiner to be statutory under 35 USC 101.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BEEMNET W. DADA whose telephone number is (571)272-3847. The examiner can normally be reached on Monday - Friday (9:00 am - 5:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Beemnet W Dada

March 27, 2008 /KIMYEN VU/ Supervisory Patent Examiner, Art Unit 2135